

**Amendment to the Abstract:**

The Abstract has been amended. Please replace the Abstract in its entirety with the attached Abstract.

ABSTRACT

A method of registering various colours in flexography, and a flexographic printer comprising a device for implementing the method are provided. The printer comprises at least one supporting drum with at least first and second printing rollers and an optical sensor, downstream from the rollers. The method comprises consecutively printing first and second marks with the first and second rollers, using the sensor to generate first and second position signals that are representative of the positions of the first and second marks within a printing length and to generate adjustment signals by comparison of the second position signal with the first position signal, taken as reference, or the first and second position signals with a pre-established position signal. The positions of rollers are adjusted based on the adjustment signals.